WITH DR. COATES' COMPLIMENTS.

Bleak House, Patrington,
January, 1903.

To the District Council of Patrington.

I beg to present my seventh annual report, dealing with the health of the district for the year ending December 31st, 1902.

The population of the district is estimated at 6,994. The number of births has been 175; out of this number 11 were illegitimate, a proportion of 1 in 15.9, compared with 1 in 14.1 in 1901, and 1 in 9.62 in 1900. The total number of males born in 1902 was 95, and the number of females 80. The birth-rate for 1902 is 25.02 per 1,000, compared with 26.24 in 1901. The average birth-rate of England and Wales last year was 28.5, and the average for ten years past for this district is 23.58. The births took place as follows:—

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.
Males	17	31	24	23
Females	25	22	18	15

One hundred and forty-six children were vaccinated in this district during 1902 out of these births.

During the year 92 persons have died, viz., 57 males and 35 females. This is at the rate of 13.15 per 1,000, compared with 17.11 in 1901, and 14.96 the average for the ten preceding years. The average last year for England and Wales was 16.9, but excluding the 100 large towns the average for the country was 15.7. The average for the East Riding last year was 14.8. The average age at death of this district is: For males, 47.56, and for females, 41.57. The average of all deaths is 45 years 3 months and 20 days, compared with 47 years 5 months and 2 days in 1901.

The relative number of deaths at the various ages come out at

Under 1 year	20
Average per 1,000	114
Average for England and Wales	151
Average for East Riding	137
Average for 10 years	308
Over 1 year and under 5 years	3
Over 5 years and under 15 years	5
Over 15 years and under 25 years	3
Over 25 years and under 65 years	21
Over 65 years	40

Eight inquests have been held during 1902, and one death was returned uncertified.

The following have been the chief causes of deaths:—Diphtheria 2, influenza 2, phthisis 6, tubercle 1, diarrhœa 2, cancer 7, bronchitis 5, pneumonia 2, heart diseases 29, accidents 3, premature birth 4, puerperal fever 1, and all other causes 28. No deaths took place in Frodingham, Hilston, Waxholme, Owstwick, or Holmpton parishes during the year.

The deaths took place as follows:—

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.
Males	11	17	14	15
Females	7	12	8	8

According to my custom, I append a table showing at a glance: (1) the births, (2) the deaths, (3) the average death-rate, (4) the average birth-rate, and (5) the average age at death:—

	Bths.	Dths.	Death rate per 1,000	Birth rate per 1,000	Avg. age at dth.
Burstwick	13	2	4.20	27.31	43.41
Burton Pidsea	9	2	7.04	31.65	.16
Easington	7	2	5.05	19.44	.89
Frodingham	2	0	—	28.57	—
Halsham	2	3	13.63	9.09	60.66
Hilston	—	—	—	—	—
Hollym	3	4	18.77	14.08	24.00
Holmpton	2	—	—	11.76	—
Keyingham	12	7	12.79	21.93	79.08
Kilnsea	3	2	15.38	23.07	63.33
Ottringham	6	8	17.19	12.93	59.28
Out Newton	—	1	27.77	—	78
Owstwick	5	—	—	62.50	—
Owthorne	1	1	12.34	12.34	24
Patrington	28	17	16.01	26.40	51.52
,, Union	2	8	181.81	45.45	67.12
Paull	20	6	10.60	35.34	48.9
Rimswell	4	1	7.24	28.98	.01
Roos	10	5	11.52	23.04	33.2
Ryehill	2	4	18.18	9.09	48.8
Skeffling	4	2	14.49	28.98	29.62
Sunk Island	15	2	5.49	41.20	41.04
Thorngumbald	9	4	14.70	33.07	83.75
Tunstall	2	1	9.80	19.60	4.00
Waxholme	—	—	—	—	—
Welwick	8	6	21.42	28.57	14.5
Winestead	6	2	12.82	38.46	65.5

Compared with this the following table shows the average for the past ten years, 1892-1902:—

	Avg. Pop.	Avg. Bths.	Avg. Dths.	Avg. Dths under 1 y'r.
Burstwick	476.4	13.3	7.2	1.2
Burton Pidsea	332.3	7.9	3.6	1.
Easington	377.6	11.6	5.3	1.2
Frodingham	67.3	2.4	2	.1
Halsham	239.8	5.2	3.6	.5
Hilston	37.1	.1	.6	—
Hollym	255.6	5.8	2.4	.4
Holmpton	195.1	3.4	2.2	.4
Keyingham	575.7	13.0	9.5	2.4
Kilnsea	159.6	4.6	3.2	.7
Ottringham	508.6	10.7	7.8	2.
Out Newton	41.9	.8	.2	—
Owstwick	88.1	1.9	.4	.1
Owthorne	90.9	1.5	.9	.3
Patrington	1,131.8	22.7	19.4	4.1
,, Union	51.6	2.5	6.5	.3
Paull	546	15.9	9.2	2.7
Rimswell	123	4.4	1.6	.3
Roos	485.4	9.7	5.8	.6
Ryehill	275.3	6.4	2.6	.5
Skeffling	136.9	2.6	2.2	.3
Sunk Island	437.8	7.8	2.8	.9
Thorngumbald	288.6	7.9	4.6	1.2
Tunstall	117.9	2.8	1.4	.2
Waxholme	69.7	2.	1.4	.2
Welwick	311.4	7.2	4.4	.7
Winestead	146	3.	1.6	—

Two persons were washed up from the Humber, one at Paull and one at Kilnsea, both belonging to Hull.

The number of inhabited houses in the district is 1,622. The average number of persons per house in 4.31; for the East Riding, 4.5. The acreage of the district is 61,420. The density of the population is: One person to 8.7 acres, compared with 7.7 the average for the East Riding rural districts, and 5 acres for the entire Riding.

The infantile mortality is much better, being not quite half the usual average for this district.

During the year 61 cases of infectious diseases have been notified, viz.:—Diphtheria 22 cases, membranous croup 3, erysipelas 7, scarlet fever 23, enteric 6. (During 1901 only 38 cases were notified). These occurred in 14 parishes. The most serious was the epidemic of diphtheria at Hollym, resulting in two deaths. Scarlet fever of a very mild type, and no fatal case, has been rife during the year. Hollym school is the only one closed this year. The death-rate this year is very favourable compared either with the county or the whole of England and Wales.

The cancer rate this year is 1 in 14 of deaths, compared with 1 in 8 for 1902, and 1 in 30.3 for England and Wales, whilst the cancer rate per population is for this union 1.0, compared with .84 for the East Riding, and .93 for England and Wales; fifty years ago the rate was .42. Although heart disease is responsible for 29 deaths, yet the average age at death was 75.75 years, and in regard to cancer the average age of death was 59.5 for males and 61 for females, or for both sexes 60.8.

During the year 60 nuisances were inspected, 12 were reported, and all were abated without legal trouble. Seventeen waters were analysed, 14 were passed and 3 condemned.

The worshops registered under the Factory and Workshops Act have been inspected, and found in order. Thirty people are now registered under the Cowsheds and Dairies Order, and periodically inspected.

Boring for water to supply Sunk Island is in progress, and a deep bore has been made at Hollym. Neither operations are yet complete. A scheme is being carried out to supply Winestead with water from taps in each house, and will probably be completed this year.

The sick wards at the Union are nearing completion.

I have again had complaints about the Keyingham drains not being periodically cleansed. They should be cleansed every three months at least.

The death-rate at Patrington is still high (16.01) compared with the rest of the district. Some attempt should be made to obtain water to flush the drains. There cannot be perfect health until this is done. Entire absence of drainage is almost preferable to a pipe system without means for flushing them periodically.

I should like to call the attention of the Council and the public to the necessity for cleaning out their wells at least every three or four years. Some people imagine a well can be kept sweet for ever, and there are instances where wells have not been cleaned out for 50 years, or even longer. It is doubly important to clean out the wells which the public use—that is the parish wells—every three years. This should be done by the Council in summer.

Taking the district on the whole, there is marked improvement in every direction—sanitation, health, and administration—and the Council may be congratulated upon a general sanitary improvement.

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